

United States of America
Department of Transportation—Federal Aviation Administration
Supplemental Type Certificate

Number ST00037MC-D

This certificate, issued to

ARINC, Inc.
1925 Aerotech Drive, Suite 212
Colorado Springs, CO 80916

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations. *(For certification basis see Continuation Sheet)*

Original Product Type Certificate Number: A20WE

Make: Boeing

Model: 747-E4B Series

Description of the Type Design Change:

Installation of a Satellite Communication System (SATCOM, HSD) in accordance with FAA approved ARINC Master Data List, Document No. 40-2315X005 Revision "D", dated January 12, 2010 or later FAA approved revisions.

Limitations and Conditions:

1. Compatibility of this design change with previously approved modifications must be determined by installer.
2. Instructions for Continued Airworthiness, Document 40-2315C005 entitled: "Instructions for Continued Airworthiness (ICA), Satellite Communication (SATCOM) System, Boeing 747-200B (E4B) Series Aircraft", Revision B, dated December 9, 2009, or later FAA accepted revision is required for this installation.
3. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of the permission.
4. A copy of this certificate and FAA approved Airplane Flight Manual Supplement, Document 40-2315A005, Revision IR, dated December 9, 2009 or later FAA approved revision for the SATCOM System installation must be maintained as part of the permanent records of the modified aircraft.
5. This modification may not be installed after August 30, 2010 unless (1) previously approved electrical wiring interconnection system (EWIS) instruction for continued airworthiness (ICA) have been evaluated and determined to be adequate for this installation by the FAA, or (2) revised EWIS have been approved by the FAA Oversight Office (refer to 14 CFR Part 26.11).

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: June 12, 2007

Date reissued:

Date of issuance: February 2, 2010

Date amended:



By direction of the Administrator

John May (Signature)
John May
ODA administrator
ODA 636304-NM, ARINC, Inc.
(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

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Supplemental Type Certificate

(Continuation Sheet)

Number ST00037MC-D

(Date of Issuance: February 2, 2010)

Certification Basis:

Based on 14 CFR § 21.101 and § 21.115, and FAA Order 8110.48, the type certification basis for the Boeing 747-E4B series as shown on TCDS A20WE for parts changed or affected by the change and the following Part 25 and 26 regulations:

Amendment 25-115, Section 25.111 (c3)
Amendment 25-108, Section 25.119
Amendment 25-108, Section 25.121
Amendment 25-86, Section 25.305
Amendment 25-72, Section 25.307
Amendment 25-96, Section 25.571
Amendment 25-46, Section 25.603
Amendment 25-46, Section 25.605
Amendment 25-112, Section 25.613
Amendment 25-72, Section 25.625
Amendment 25-46, Section 25.901 (c)
Amendment 25-102, Section 25.981
Amendment 25-41, Section 25.1309 (a) (b) (d)
Amendment 25-72, Section 25.1351 (a)
Amendment 25-113, Section 25.1353 (a) (b) (d)
Amendment 25-113, Section 25.1431 (a) (c) (d)
Amendment 25-42, Section 25.1501 (a) (b)
Amendment 25-54, Section 25.1529
Amendment 25-72, Section 25.1581 (a) (b) (d)
Amendment 25-105, Section 25.1585 (a) (b)
Amendment 25-108, Section 25.1587 (b3)

Based on 14 CFR § 21.101 (g), applicable provisions of 14 CFR part 26 are included in the certification basis. For any future 14 CFR part 26 amendments, the holder of this STC must demonstrate compliance with the applicable sections. As of the issuance of this STC, compliance has been found for the following regulations:
Amendment 26-1, Section 26.47 (c)

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